

## In the Abstract

A curable adhesive composition is provided, ~~which comprises an epoxy terminated silane.~~ A thin-profile battery and a substrate to which the thin-profile battery is to be conductively connected are also provided. The curable adhesive composition is interposed between the thin-profile battery and the substrate. It is cured into an electrically conductive bond electrically interconnecting the battery and the substrate. In another aspect, the invention includes a method of conductively interconnecting electronic components using a curable adhesive composition which comprises an epoxy terminated silane. The invention in another aspect includes interposing In another aspect, a curable epoxy composition is interposed between first and second electrically conductive components ~~to be electrically interconnected.~~ ~~At least one of the components comprises a metal surface with which the curable epoxy is to electrically connect.~~ The epoxy is cured into an electrically conductive bond electrically interconnecting the first and second components. ~~The epoxy has an effective metal surface wetting concentration of silane to form a cured electrical interconnection having a resistance through said metal surface of less than or equal to about 0.3 ohm-cm<sup>2</sup>.~~ In another aspect, a battery powerable apparatus, such as an RF communication device or RFID device, is coupled to a battery via a conductive ~~includes a conductive adhesive mass comprising an epoxy terminated silane between a battery and substrate.~~ A radio frequency communication device is one example. In another aspect, the invention includes an electric circuit comprising first and second electric components are electrically connected with

one another through a conductive ~~adhesive mass comprising an epoxy terminated silane.~~